

PTO/SB/08B (08-03)

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**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

**Complete if Known**

Application Number	10/759,327
Filing Date	1/17/2004
First Named Inventor	Venkateswaran
Art Unit	1645
Examiner Name	Lakia J. Tongue
Attorney Docket Number	CIT002

Sheet	1	of	3
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**NON PATENT LITERATURE DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
<i>hjt</i>	1	Anonymous, (1980) NASA Standard Procedures for the Microbiological Examination of Space Hardware, NHB 5340.1B, 1980, Jet Propulsion Laboratory communication, National Aeronautics and Space Administration. <i>Page 2-26</i>	
	2	Cole R. M. and Popkin, T. J. (1981) Electron microscopy. In Manual of Methods for General Bacteriology, pp. 34-51. Edited by P. Gerhardt, R. G. E. Murray, R. N. Costilaw, E. W. Nester, W. A. Wood, N. R. Krieg & G. B. Phillips. Washington, D.C.: American Society for Microbiology.	
	3	Colwell, R. R. and Grimes, D. J. (2000) Nonculturable Microorganisms in the Environment. Washington, D.C.: American Society for Microbiology.	
	4	Johnson, J. L. (1981) Genetic characterization. In Gerhardt, P. Manual of Methods for General Bacteriology, pp. 450-472. Edited by P. Gerhardt, R. G. E. Murray, R. N. Costilaw, E. W. Nester, W. A. Wood, N. R. Krieg & G. B. Phillips. Washington, D.C.: American Society for Microbiology.	
<i>abstract only</i>	5	La Duc M.T., Nicholson W., Kern R., and K. Venkateswaran (2003) Microbial Characterization of the Mars Odyssey Spacecraft and Its Encapsulation Facility. Environ Microbiol (in press). <i>10/5/03 pg 77</i>	
<i>abstract only</i>	6	Nakamura, L. K. (2000) Phylogeny of Bacillus sphaericus-like organisms. Int J Syst Bacteriol 50: 1715-1722.	
<i>abstract only</i>	7	Nakamura, L. K., Shida, O. Takagi, H., and K. Komagata, K. (2002) Bacillus pycnus sp. nov. and Bacillus neidei sp. nov., round-spored bacteria from soil. Int J Syst Bacteriol 52: 501-505	
	8	Nicholson, W. L. and Setlow, P. (1990) Sporulation, germination, and outgrowth. In Molecular Biological Methods for Bacillus, pp. 391-450. Edited by C. R. Harwood and S. M. Cutting. Chichester, England: John Wiley & Sons.	
<i>hjt</i>	9	Nicholson, W. L., Munakata, N., Horneck, G., Melosh, H. J. and Setlow, P. (2000) Resistance of Bacillus endospores to extreme terrestrial and extraterrestrial environments. Microbiol Mol Biol Rev 64: 548-572.	
	10	Priest, F. G. (1993) Systematics and Ecology of Bacillus. In Bacillus subtilis and Other Gram-positive Bacteria, pp. 3-33. Edited by A. L. Sonenshein, J. A. Heeh, & R. Losick. Washington D.C.: American Society for Microbiology.	

Examiner Signature	<i>L. Tongue</i>	Date Considered	<i>10/4/05</i>
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Substitute for form 1449/PTO		<b>Complete if Known</b>	
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		First Named Inventor	Venkateswaran
		Art Unit	1645
		Examiner Name	Lakia J. Tongue
Sheet 2	of 3	Attorney Docket Number	CIT002

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abstract	11	Priest, F. G., Goodfellow, M. and Todd, C. (1988) A numerical classification of the genus Bacillus, J Gen Microbiol 234: 1847-1882.	
abstract	12	Rheims, H., Fruhling, A., Schumann, P., Rohde, M. and Stackebrandt, E. (1999) Bacillus silvestris sp. nov., a new member of the genus Bacillus that contains lysine in its cell wall, Int J Syst Bacteriol 49: 795-802.	
hpd	13	Reisenman, P.J. and Nicholson, W.L. (2000) Role of the spore coat layers in Bacillus subtilis spore resistance to hydrogen peroxide, artificial UV-C, UV-B, and solar UV radiation. Appl Environ Microbiol 66: 620-626.	
abstract	14	Ruger, H. J., Fritze, D., and Sproer, C. (2000) New psychrophilic and psychrotolerant Bacillus marinus strains from tropical and polar deep-sea sediments and emended description of the species. Int J Syst Evol Microbiol 50: 1305-1313.	
	15	Ruimy, R., Breittmayer, V., ElBaze, P., Lafay, B., Boussemart, O., Gauthier, M. and Christen, R. (1994) Phylogenic analysis and assessment of the genera Vibrio, Photobacterium, Aeromonas, and Plesiomonas deduced from small subunit rRNA sequences. Int J Syst Bacteriol 44: 416-426.	
	16	Satomi, M., Kimura, B., Mizoi, M., Sato, T. & Fujii, T. (1997) Tetragenococcus muraticus sp. nov., a new moderately halophilic lactic acid bacterium isolated from fermented squid liver sauce. Int J Syst Bacteriol 47: 832-836.	
	17	Nakamura, L. K., Shida, O. Takagi, H., and K. Komagata, K. (2002) Bacillus pycnus sp. nov. and Bacillus neider sp. nov., round-spored bacteria from soil. Int J Syst Bacteriol 52: 501-505	
hpd	18	Schaeffer, P., Millet, J. & Aubert, J.-P. (1965) Catabolic repression of bacterial sporulation. Proc Natl Acad Sci 54: 704-711.	
hpd	19	Swofford, D. (1990) PAUP: phylogenetic analysis using parsimony, version 3.0. Computer program distributed by the Illinois Natural History Survey, Champaign, IL.	
hpd	20	Venkateswaran, K., Kempf, M., Chen, F., Satomi, M., Nicholson, W., & Kern, R. (2003) Bacillus nealsonii sp. nov., isolated from a spacecraft assembly facility, whose spores are gamma-radiation resistant. Int J Syst Evol Microbiol 53: 165-172.	

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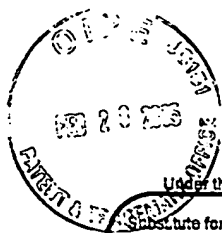
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abstract	21	Venkateswaran, K., Satomi, M., Chung, S., Kern, R., Koukol, R., Basic, C. & White, D. (2001) Molecular microbial diversity of a spacecraft assembly facility. Syst Appl Microbiol 24: 311-320.	
	22	Wayne, L., Brenner, D. J., Colwell, R. R., Grimont, P. A. D., Kandler, O., Krichevsky, M. I., Moore, L. H., Moore, W. E. C., Murray, R. G. E., Stackebrandt, E., Starr, M. P., & Truper, H. G. (1987) International Committee on Systematic Bacteriology. Report of the ad hoc committee on reconciliation of approaches to bacterial systematics. Int J Syst Bacteriol 37: 463-464.	
abstract	23	Yoon, J.-H., Lee, K.-C., Weiss, N., Kho, Y. H., Kang, K. H. & Park, Y.-H. (2001) Sporosarcina aquimarina sp. nov., a bacterium isolated from seawater in Korea, and transfer of Bacillus globisporus (Larkin and Stokes 1967), Bacillus psychrophilus (Nakamura 1984) and Bacillus pasteurii (Chester 1898) to the genus Sporosarcina as Sporosarcina globispora comb. nov., Sporosarcina psychrophila comb. nov. and Sporosarcina pasteurii comb. nov., and emended description of the genus Sporosarcina. Int J Syst Evol Microbiol 51: 1079-1086.	
	24	GenBank; <a href="http://www.ncbi.nlm.nih.gov/">http://www.ncbi.nlm.nih.gov/</a>	
	25	<a href="http://mars.jpl.nasa.gov/odyssey/">http://mars.jpl.nasa.gov/odyssey/</a>	

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LJT	1	Ash, C., Wallbanks, S. and Collins, M. D. (1991) Phylogenetic heterogeneity of the genus Bacillus as revealed by comparative analysis of small-subunit-ribosomal RNA sequence, Lett Appl Microbiol 13: 202-206.	
LJT	2	Ezaki, T., Hashimoto, Y. and Yabuuchi, E. (1989) Fluorometric deoxyribonucleic acid-deoxyribonucleic acid hybridization in microdilution wells as an alternative to membrane filter hybridization in which radioisotopes are used to determine genetic relatedness among bacterial strains. Int J Syst Bacteriol 39: 224-229.	
NOT TRANSLATED	3	Neide, E. (1904) Botanische Beschreibung einiger sporenbildenden Bakterien, Zentbl Bakteriol Parasitenkd Infektionskr Hyg Abt II 12: 337-352.	

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